

LUBRICATING HITCH RECEIVER COVER

BACKGROUND OF THE INVENTION

1. Field of the Invention

The present invention relates generally to female hitch receivers and more specifically to a lubricating hitch receiver cover that protects a female cavity of a female hitch receiver from rusting, when not in use.

2. Discussion of the Prior Art

Female hitch receivers are used for pulling a variety of items, such as boats and trailers. Decorative inserts for female hitch receivers are well known in the art. However, decorative inserts will not completely protect the female cavity of the female hitch receiver from rusting due to moisture from rain, snow, water splash or a wet hitch. A hitch cannot be inserted into a female hitch receiver that is rusted, thus requiring the rust inside the female cavity to be removed with a wire brush or the like.

Accordingly, there is a clearly felt need in the art for a lubricating hitch receiver cover that protects the female cavity of a hitch receiver from rusting.

SUMMARY OF THE INVENTION

The present invention provides a lubricating hitch receiver cover, which is inserted into a female hitch receiver to protect thereof against rusting. The lubricating hitch receiver cover preferably includes a male body, an end cap, a quantity of lubricant and a fastener. The end cap terminates one end of the male body. An outer perimeter of the male body is sized to be

received by a female cavity of the female hitch receiver. The quantity of lubricant is applied to the outside surface of the male body. A retention hole is formed through a cross section of the male body. The fastener is inserted through the female hitch receiver and the male body to retain the lubricating hitch receiver in the female hitch receiver. The lubricant applied to the male body, not only prevents rusting inside the female cavity, but improves the ease of insertion of a hitch into the female hitch receiver.

Accordingly, it is an object of the present invention to provide a lubricating hitch receiver cover that protects an inside of a hitch receiver from rusting.

Finally, it is another object of the present invention to provide a lubricating hitch receiver cover that improves the ease of insertion of a hitch into a female hitch receiver.

These and additional objects, advantages, features and benefits of the present invention will become apparent from the following specification.

BRIEF DESCRIPTION OF THE DRAWINGS

Figure 1 is an exploded perspective view of a lubricating hitch receiver cover adjacent an end of a female hitch receiver in accordance with the present invention.

DETAILED DESCRIPTION OF THE PREFERRED EMBODIMENTS

With reference now to the drawings, and particularly to figure 1, there is shown an exploded perspective view of a lubricating hitch receiver cover 1. The lubricating hitch receiver cover 1 preferably includes a male body 10, an end cap 12, a quantity of lubricant 14 and a fastener 16. The end cap 12 terminates one end of the male body 10. The end cap 12 and the male body 10 are preferably fabricated from a single piece of material, but could be fabricated from two pieces of material. The end cap 12 and the male body 10 are preferably fabricated from styrofoam, but other materials may also be used. However, other structures besides an end cap may be used to withdraw the male body from the female hitch receiver 100. An outer perimeter of the male body 10 is sized to be received by an inside perimeter of a female cavity 102 in the female hitch receiver 100.

A retention pin hole 104 is formed through opposing walls of the female hitch receiver 100. The quantity of lubricant 14 is applied to an outside surface of the male body 10. The lubricant 14 is preferably grease, but other lubricants may also be used. A retention hole 18 is preferably formed through a cross section of the male body 10. The retention hole 18 is located in the male body 10, such that, when the male body 10 is fully inserted into the female cavity 102, the retention hole 18 is in-line with the retention pin hole 104.

The fastener 16 is inserted through the female hitch receiver 100 and the male body 10 to retain the lubricating hitch receiver

cover 1 in the female hitch receiver 100. The fastener 16 is preferably a plastic dowel or pin, but other materials or types of fasteners may also be used. The lubricant 16 applied to the male body 10, not only prevents rusting inside the female cavity 102, but improves the ease of insertion of a hitch into the female hitch receiver 100.

While particular embodiments of the invention have been shown and described, it will be obvious to those skilled in the art that changes and modifications may be made without departing from the invention in its broader aspects, and therefore, the aim in the appended claims is to cover all such changes and modifications as fall within the true spirit and scope of the invention.